

Page 4, between lines 20 and 21, insert the following heading - Summary of the

E3

Invention--

Page 5, between lines 6 and 7, insert the following heading - Description of the Preferred

Embodiments--

E4

Page 7, line 10, insert the following:

The present invention will now be described in more detail using the following

E5

Examples. However, the Examples are merely illustrative and should not be construed to narrow
the spirit and scope of the claims.--.

In the Claims:

Kindly cancel claims 14, 15 and 17-29 without prejudice.

Please amend the claims as follows.

13. (Amended) [A] An isolated peptide selected from the group consisting of the peptide
of SEQ ID No. 1 and functional variants thereof, said functional variants (i) comprising at least 6
amino acid residues, [and] (ii) having at least 70% homology with part or all of the [amino acid
sequence as set forth in] peptide of SEQ ID No. 1 and (iii) retaining the calcium channel
modulatory function of the peptide of SEQ ID No. 1.

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16. (Amended) A probe consisting of the peptide of claim 13, [or claim 14,] labeled with

a signal moiety, or immobilized on a solid support.

E7

Eg
30. (Amended) [A] The peptide as claimed in claim 13 [or claim 14], which peptide is a

fragment of [the AChE molecule] acetylcholinesterase.

31. (Amended) [A] The peptide as claimed in claim 13 [or claim 14], which peptide has

been chemically synthesized.

Eo
Please add the following new claims.

--32. The peptide as claimed in claim 13, which is the peptide of SEQ. ID No. 1.

33. A method for obtaining an antibody comprising using the peptide according to any

one of claims 13, 30, 31 and 32 as an antigen to obtain said antibody.

Sub A 34. A method of screening comprising using the peptide according to any one of

claims 13, 30, 31 and 32 to screen substances which inhibit the activity of said peptide as a
calcium channel modulator.--.

REMARKS

Favorable reconsideration is respectfully requested in view of the foregoing amendments

and the following remarks.